

REMARKS

Claims 1-15 are all of the claims pending in the present application. Applicant thanks the Examiner for indicating that claims 11-13 are allowed. Also, claims 7-10 contain allowable subject matter and would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 1-6 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Yamagishi et al. (U.S. Patent No. 6,141,491) and Okubo (U.S. Patent No. 5,337,296). Claims 14-15 are rejected under 35 U.S.C. § 101 as allegedly being directed to non-statutory subject matter.

Claims 7 and 8 are amended, as indicated herein, to place these claims in independent form. Applicant respectfully requests that the Examiner indicate that claims 7-10 are allowed in the next Office paper.

§ 103(a) Rejections (Yamagishi/Okubo) - Claims 1-6

Claims 1-6 are rejected based on the reasons set forth on pages 2-4 of the present Office Action.

A brief description of the applied references is as follows:

Yamagishi is directed to a disk which stores data groups (GOP) of compressed picture data arranged over sectors. Each sector has a 1st and a 2nd field. The 1st field stores signals not interleaved relative to signals of the 2nd field. A positional data of a leading sector is recorded in the 1st field. The leading sector is located in a 3rd field in which data D is recorded. The positional data is detected to reproduce the data D.

Okubo is directed to a device for searching a target time code recorded on a disk with continuous frame addresses.

With respect to independent claim 1, Applicant submits that the applied references, either alone or in combination, do not disclose or suggest at least, “a storage medium for storing a broadcast signal, which is received from the TV,” as recited in claim 1. The Examiner cites Fig. 9, element 30 of Yamagishi, as allegedly satisfying the above quoted feature, however the element 30 of Fig. 9 of Yamagishi only indicates a coded signal source. There is not specific discussion of a broadcast signal being received from a TV.

Further, an exemplary result of the novel arrangement of the elements of the present invention, as recited in claim 1 for example, can be that storage media, such as a hard disk drive (HDD), can be embedded in a TV, broadcast TV programs can be recorded in real time, and searches for the desired location of the recorded TV programs can be performed quickly and accurately.

Yet further, Applicant submits that the applied references do not disclose or suggest at least, “a storage medium for storing a broadcast signal, which is received from the TV, in units of a predetermined sequential and cyclical time period,” (emphasis added) as recited in amended claim 1.

Applicant submits that dependent claims 2-6 are patentable at least by virtue of their dependencies from independent claim 1.

Further, with respect to claim 4, Applicant submits that the applied references, either alone or in combination, do not disclose or suggest at least, “a slow control unit for reproducing one frame N times repeatedly if a slow multiple-times speed is set to $1/N$ (N is an integer),” as recited in claim 4. The Examiner cites col. 17, lines 26-35 of Yamagishi, as allegedly satisfying

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the features of claim 4, however the cited portion of Yamagishi only discusses that a special reproduction can be applied to video data of a moving picture compressed by methods other than the MPEG method. There is no discussion of the specific feature of one frame being reproduced N times repeatedly if a slow multiple-times speed is set to $1/N$, where N is an integer. These features of claim 4 are not met by either of the applied references.

§ 101 Rejection - Claims 14 and 15

Applicant submits that claims 14 and 15 comply with 35 U.S.C. § 101.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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